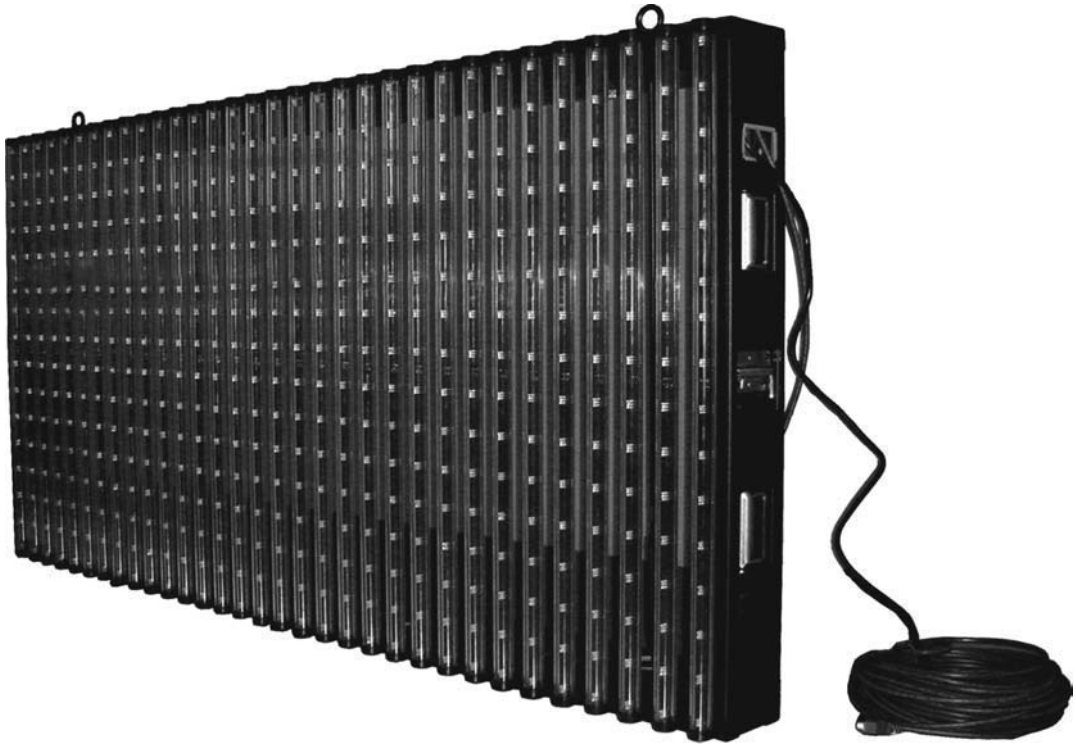
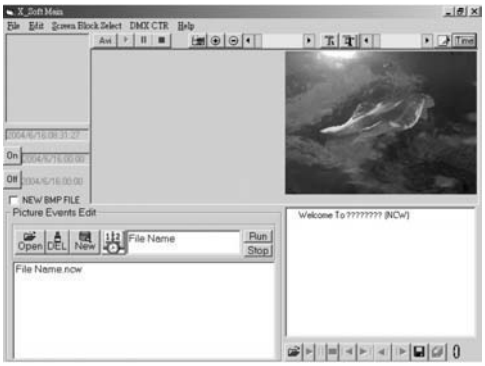
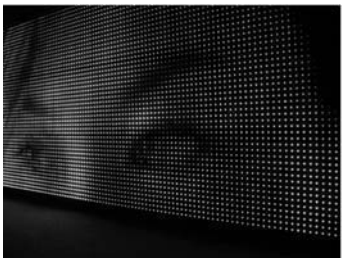
X-BOARD100/200

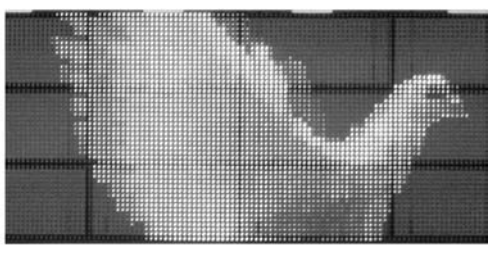
& X-Soft User's Guide





X-100/200 Instruction Manual
X-100/200 Troubleshooting
X-100/200 Service Manual
X-Soft Software User's Guide
About DMX Trigger Converter(DTC-512)
About X-Board-Controller





Web site: www.ncw.com.hk
E-mail: info@ncw.com.hk

Part Number:24-004-1642
Instruction version:1.2

Welcome!

Thank you for your purchase of this product. Every product has been thoroughly tested and carefully packed before delivery. Unpack the shipping carton carefully, saving the carton and all packaging materials for possible later use. Check carefully for sure your product is not damaged and all accessories not missing. If your product appears to be damaged or missing, please do not use it and contact your authorized dealer immediately.

What is X-Board 100/200?

Neither a spotlight, nor a moving light, based on the latest LED technology, X-Board 100/200 is the affordable transparent LED multimedia demonstration screen. Because of the luminous light, the transparency and lightweight qualities, the X-Board 100/200 is ideal for stage performances, music concert, fashion show, theater, stadium and other special occasions.

X-Board 100/200 is an X. X. L (extra extra large) display screen where light and video converge. Facing a screen with an area of approximate 100/200 sq m and viewing from a distance of 20m or more, you will enjoy a visual shock beyond your imagination.

The still images, animation picture, video and texts being integrated, X-Board 100/200 sets a new standard in the area of communication medium and sets off an interactive, terrific experience you'll have yet to adapt to.

With today's plethora of visual message, there is an increasing need for eye-catcher, undoubtedly, X-Board 100/200 is just the answer.

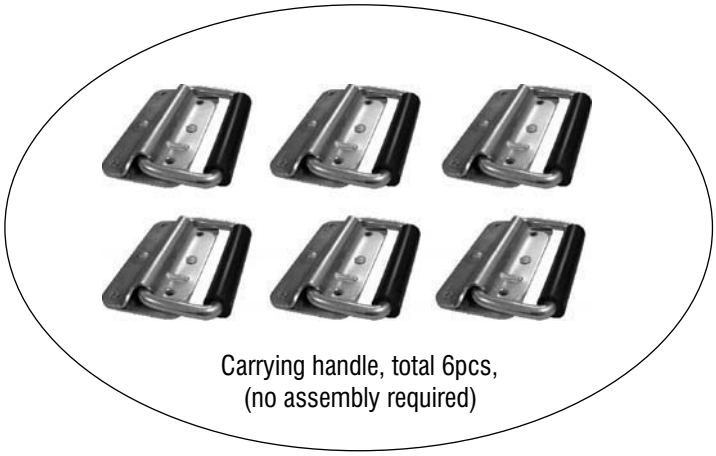
Technical Specifications

Weight:	38kg
Overall Dimensions:	1960x960x180mm
Power Supply:	AC 230V~50/60Hz or AC 120V~50/60Hz
Power Consumption:	100 Watt/ sqm
Lighting Source:	512 RGB LED modules
Luminous Intensity:	500 cd/sqm
Pixel Density:	1,900 cd
Distance of Pixel:	60 mm
Image Size:	32x16 pixels
Frame rate:	50 fps (frame per second)
Transparency:	50%
Trigger Signal:	USITT DMX-512(1990)
DMX Assignment:	20 channels
Picture Memory Space:	2 scenes of pictures, up to 70 pictures each
IP Rating:	IP 66

The X-Board 100/200 & Accessories

4 M10 x25 three-cornered bakelite screws for coupling adjustment
14 AWG 3-core Power cable with two Neutrik Powercon male sockets, 0.8 meter
IEEE 1284 data cable with 36-way CN36 M/ CN 36 M sockets
3 carrying handles on either side, total 6 for ease movement
2 cylindric(diameter 30mm) connection adaptors with threads M10 and 2xM8 to reinforce safety mounting
2 M12 stainless steel turnbuckles with hook, together with M12 threaded rod and hanging ring
User manual
X-Soft setup program CD

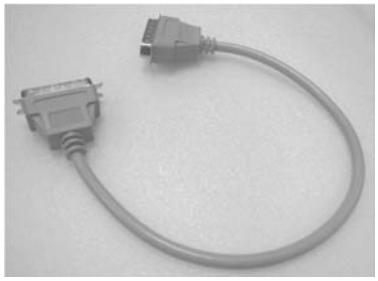
Turnbuckle with hook,
threaded rod and
hanging ring
(no assembly required)



Carrying handle, total 6pcs,
(no assembly required)

M10 three-cornered
bakelite screw,
total 4pcs

Connection adaptor, total 2pcs
(no assembly required)

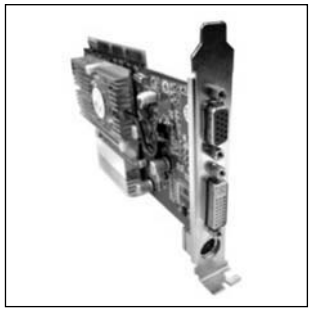


IEEE 1284 data cable

Power cable with two
Neutrik Powercon sockets

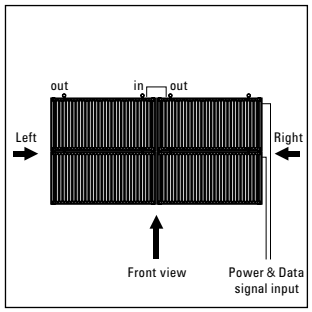
Project Setup

Precautions during setup



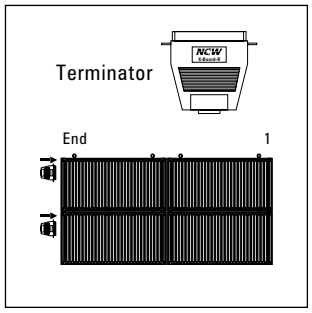
Use specified DVI Graphic Card

This system requires using ATI 9200/9500/9700/9800 AGP DVI 64MB or more Graphic card. It won't work if you use the graphic card other than the one we specify. Please remember you'll have to uninstall the old graphic card and then install the new DVI graphic card.



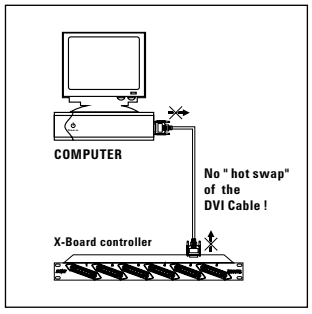
Input and output can not be inverted

Standing in the front(facing the X-Board 100/200), we can tell the input connectors are on the right while the output connectors are on the left.



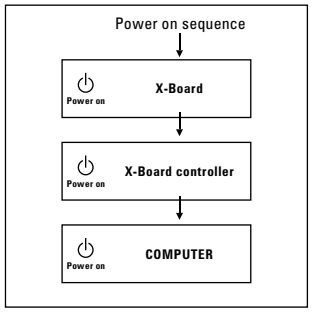
Special Note: line termination

Every terminator provided with the system is indispensable. Please remember to connect the terminator on the last unit of the line to avoid erratic behavior.



Hot swap is absolutely forbidden!

Hot swap is the ability to remove and replace components of a machine while the machine is operating. The DVI interfaces do not support hot swap connection. Do not plug or unplug the DVI cable while the system is working. The X-Board controller or the graphic card of the computer will be probably damaged if you unplug the DVI cable during operation.



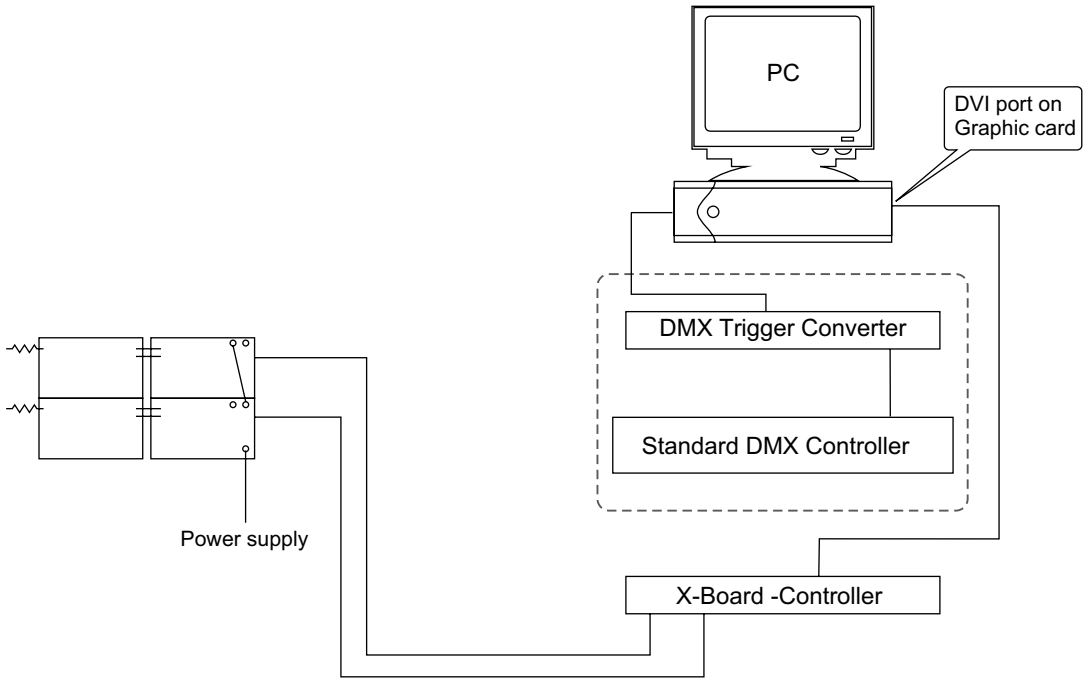
Power on the X-Board controller before switching on the computer!

Always keep in mind first power on this controller before you turn on your computer. This is very important, otherwise your computer probably can not detect the controller, and there will be no output accordingly.
More details on X-Baord controller will be illustrated in the following text.

In general, as you like, you can set up any X-Board 100/200 project within the framework of 16x12. To achieve an optimum effect and performance, we recommend as follows:

Project 1: 4-element, namely setup 2x2, with pixels 64x32.

System Connection Diagram(see figure)



System requirements:

X-Board 100/200 with a complete fittings, x4
14 AWG 3-core Power cable with two Neutrik Powercon male plugs, 1.8 meter
Power cable with Schuko plug Neutrik Powercon male plug,30meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x2
X-Board-Controller(sold separately).

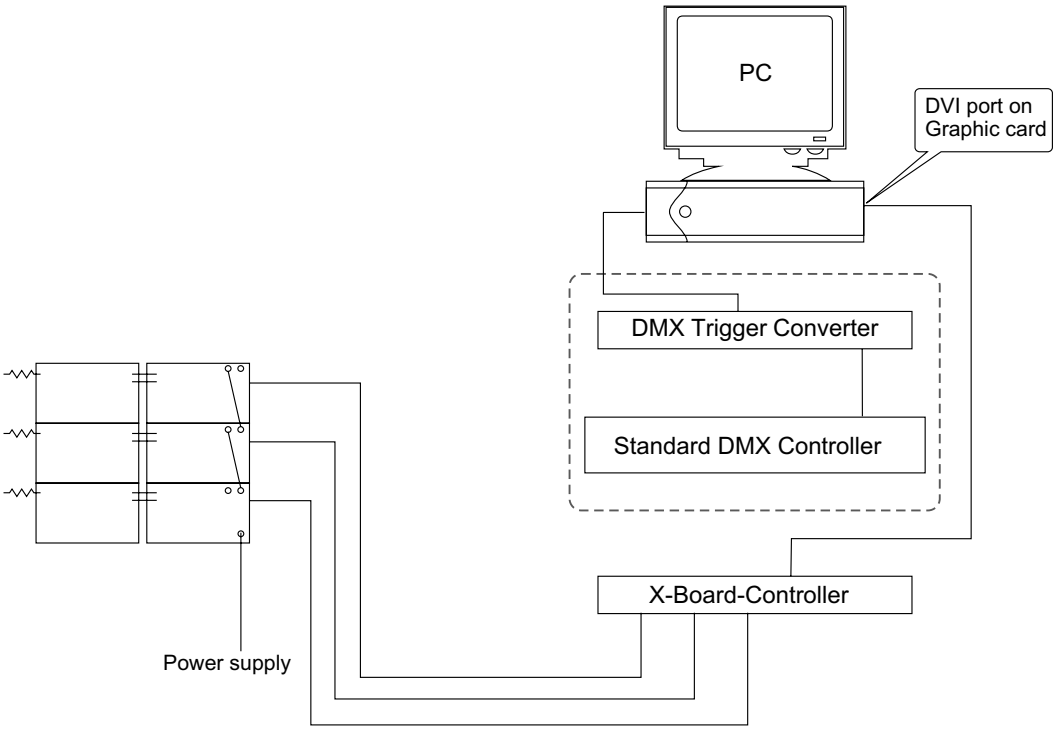
If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end.
DMX Cable with a male and female XLR connector on either end.
Terminator x2, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

More details on DTC-512 DMX Trigger Converter will be illustrated in the following text.

Project 2: 6-element, namely setup 2x3, with pixels 64x48.

System Connection Diagram(see figure)



System requirements:

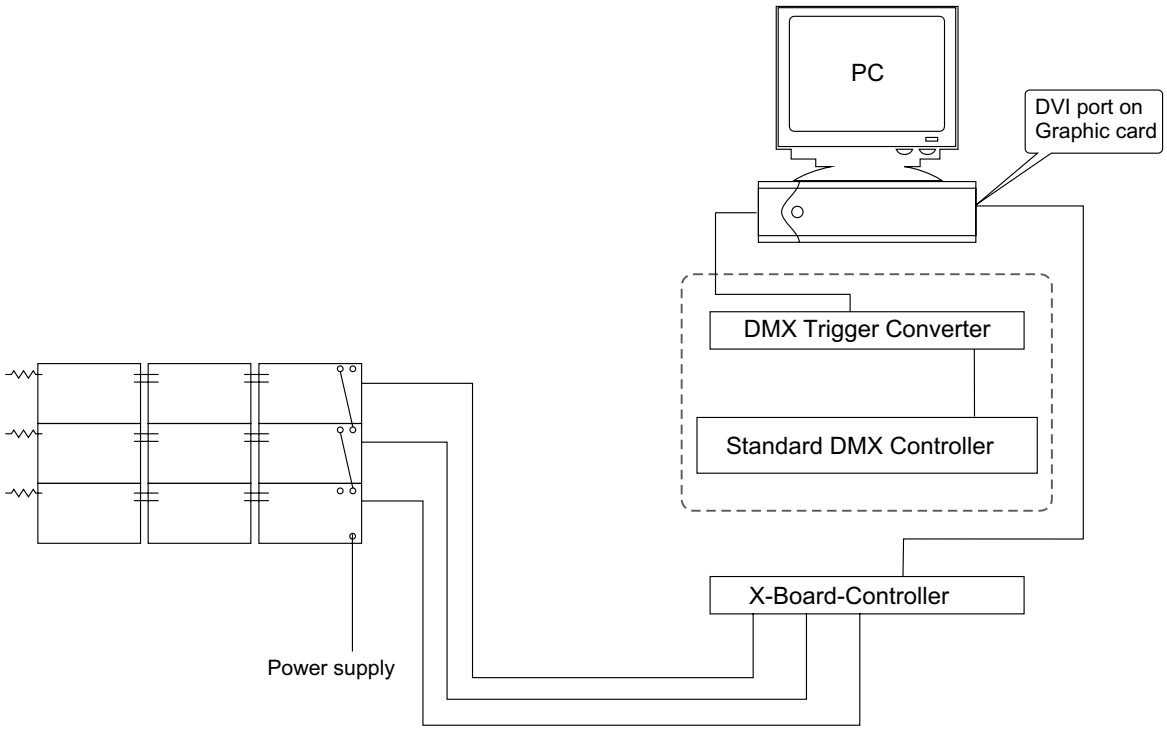
X-Board 100/200 with a complete fittings, x6
14 AWG 3-core Power cable with two Neutrik Powercon male plugs,1.8 meters, x2
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x3
X-Board-Controller(sold separately).

If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end .
DMX Cable with a male and female XLR connector on either end.
Terminator x3, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

Project 3: 9-element, namely setup 3x3, with pixels 96x48.

System Connection Diagram(see figure)



System requirements:

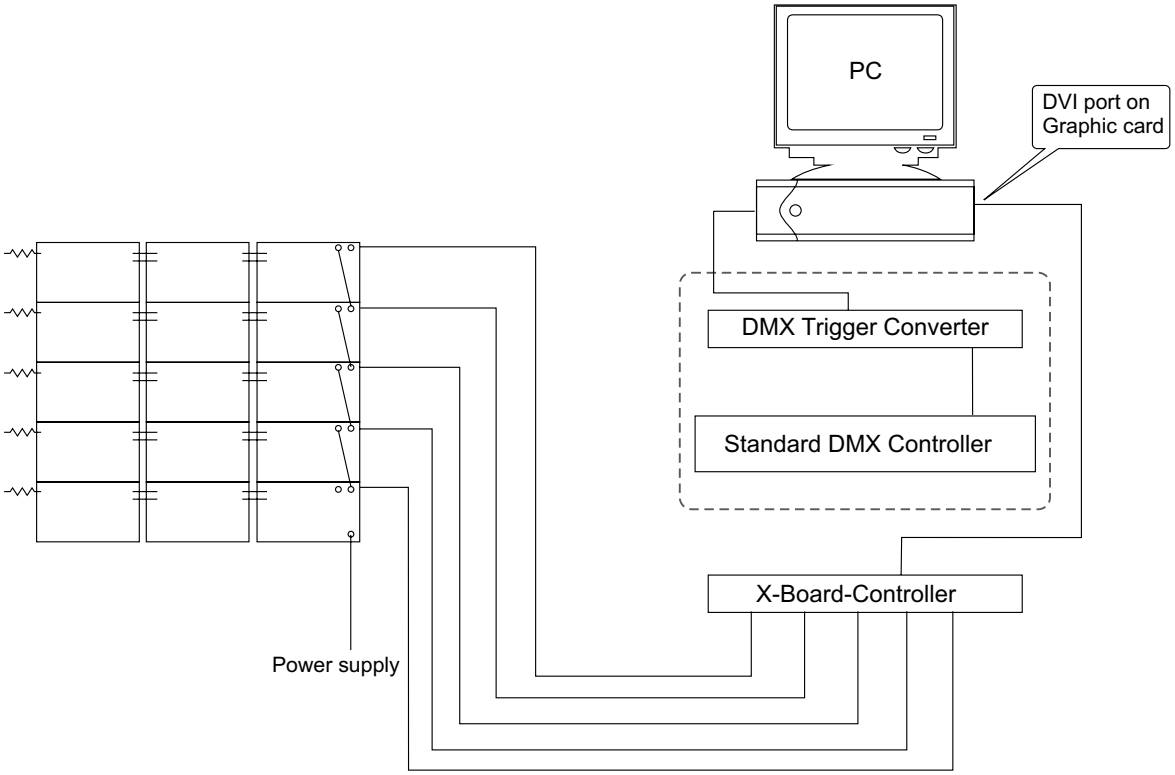
X-Board 100/200 with a complete fittings, x9
14 AWG 3-core Power cable with two Neutrik Powercon male plugs,1.8 meter, x2
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x3
X-Board-Controller(sold separately).

If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end.
DMX Cable with a male and female XLR connector on either end.
Terminator x3, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

Project 4: 15-element, namely setup 3x5, with pixels 96x80.

System Connection Diagram(see figure)



System requirements:

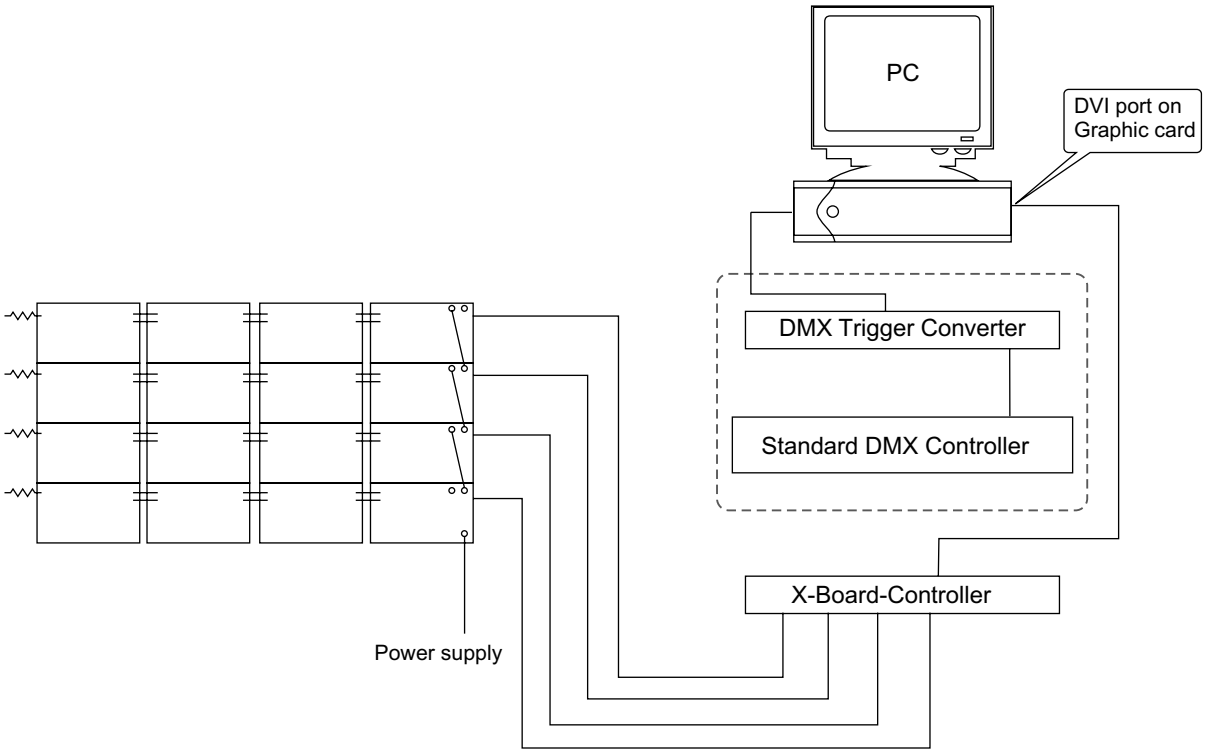
X-Board 100/200 with a complete fittings, x15
14 AWG 3-core Power cable with two Neutrik Powercon male plugs,1.8 meter, x4
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x5
X-Board-Controller(sold separately).

If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end .
DMX Cable with a male and female XLR connector on either end.
Terminator x5, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

Project 5: 16-element, namely setup 4x4, with pixels 128x64.

System Connection Diagram(see figure)



System requirements:

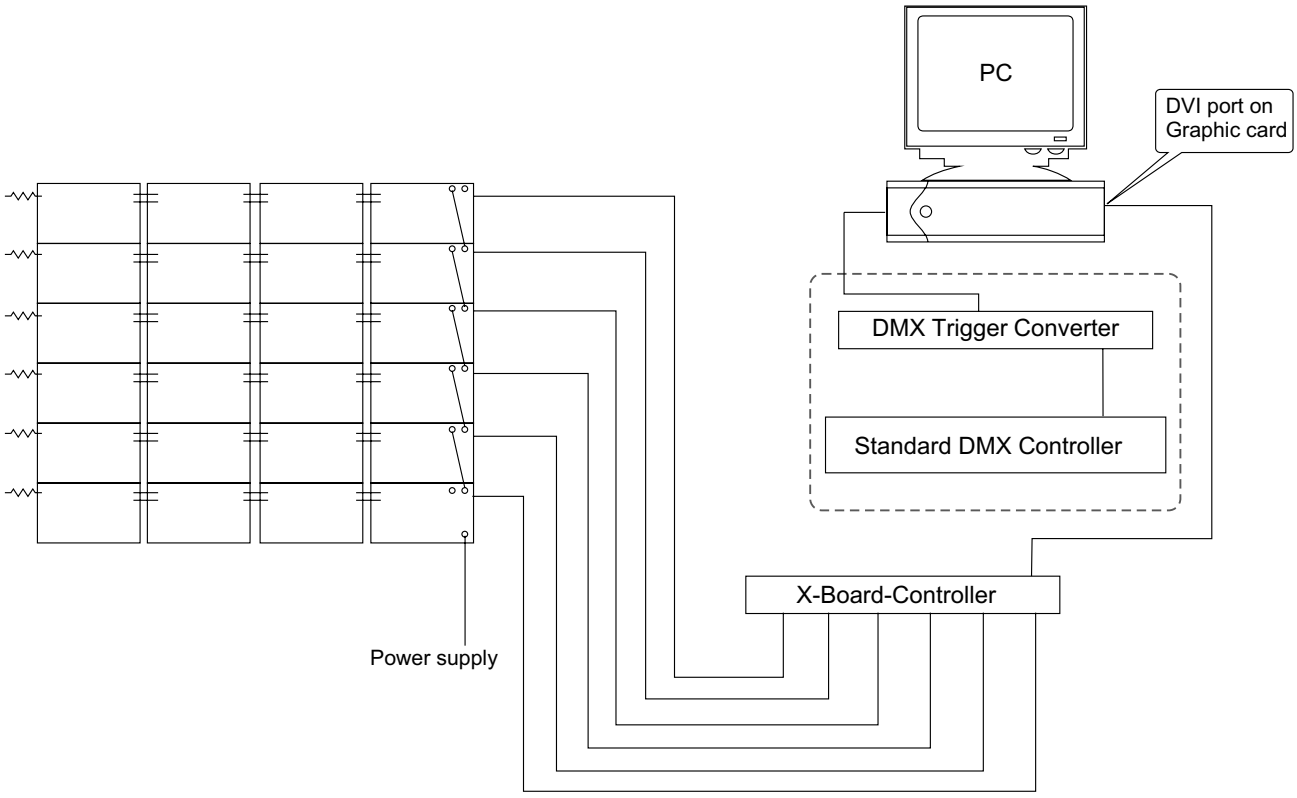
X-Board 100/200 with a complete fittings, x16
14 AWG 3-core Power cable with two Neutrik Powercon male plugs, 1.8 meter, x3
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x4
X-Board-Controller(sold separately).

If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end .
DMX Cable with a male and female XLR connector on either end.
Terminator x4, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

Project 6: 24-element, namely setup 4x6, with pixels 128x96.

System Connection Diagram(see figure)



System requirements:

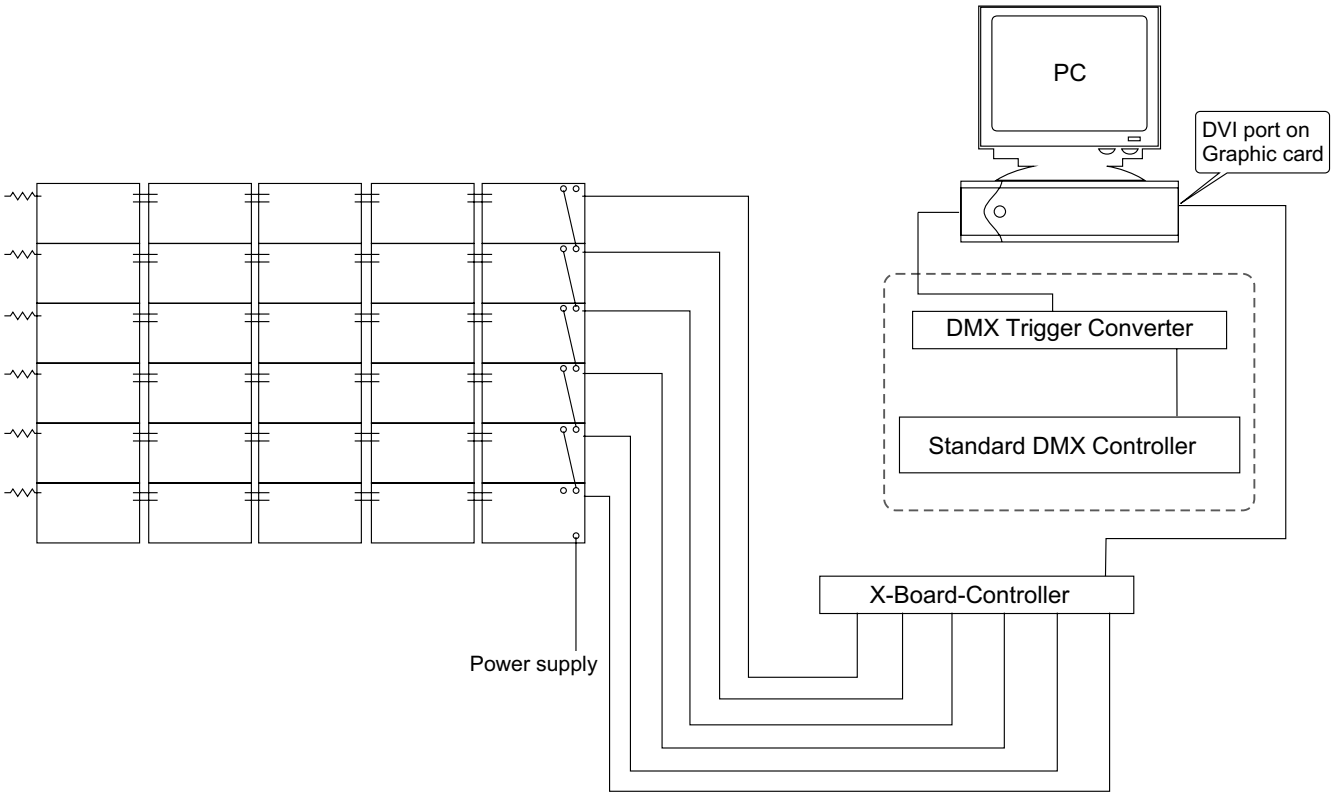
X-Board 100/200 with a complete fittings, x24
14 AWG 3-core Power cable with two Neutrik Powercon male plugs, 1.8 meter, x5
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x6
X-Board-Controller(sold separately).

If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end .
DMX Cable with a male and female XLR connector on either end.
Terminator x6, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

Project 7: 30-element, namely setup 5x6, with pixels 160x96.

System Connection Diagram(see figure)



System requirements:

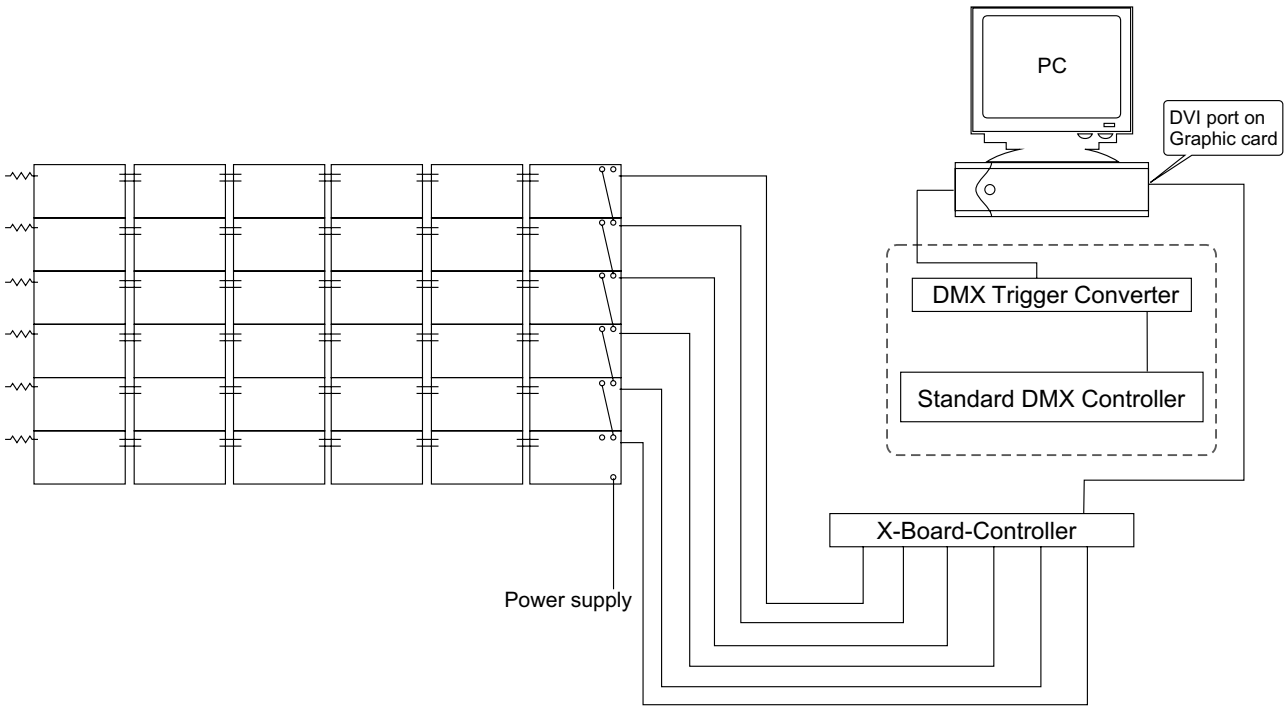
X-Board 100/200 with a complete fittings, x30
14 AWG 3-core Power cable with two Neutrik Powercon male plugs, 1.8 meter, x5
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x6
X-Board-Controller(sold separately).

If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end .
DMX Cable with a male and female XLR connector on either end.
Terminator x6, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

Project 8: 36-element, namely setup 5x6, with pixels 192x96.

System Connection Diagram(see figure)



System requirements:

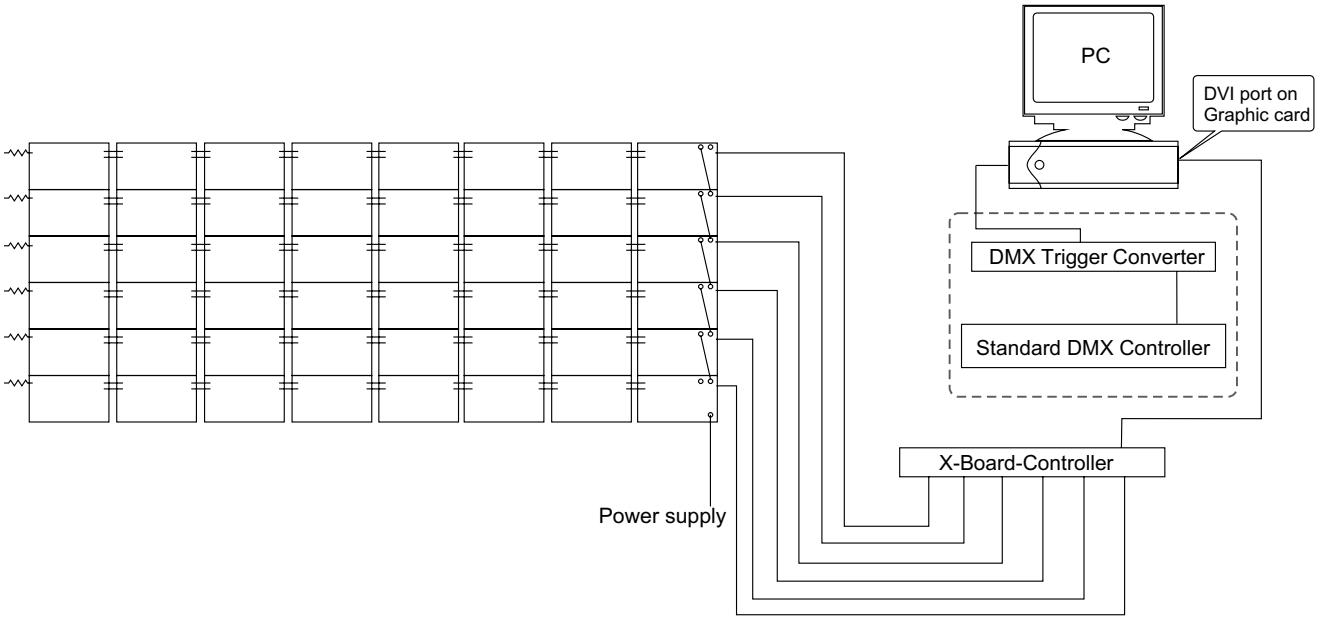
X-Board 100/200 with a complete fittings, x36
14 AWG 3-core Power cable with two Neutrik Powercon male plugs, 1.8 meter, x5
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x6
X-Board-Controller(sold separately).

If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end .
DMX Cable with a male and female XLR connector on either end.
Terminator x6, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

Project 9: 48-element, namely setup 8x6, with pixels 256x96.

System Connection Diagram(see figure)



System requirements:

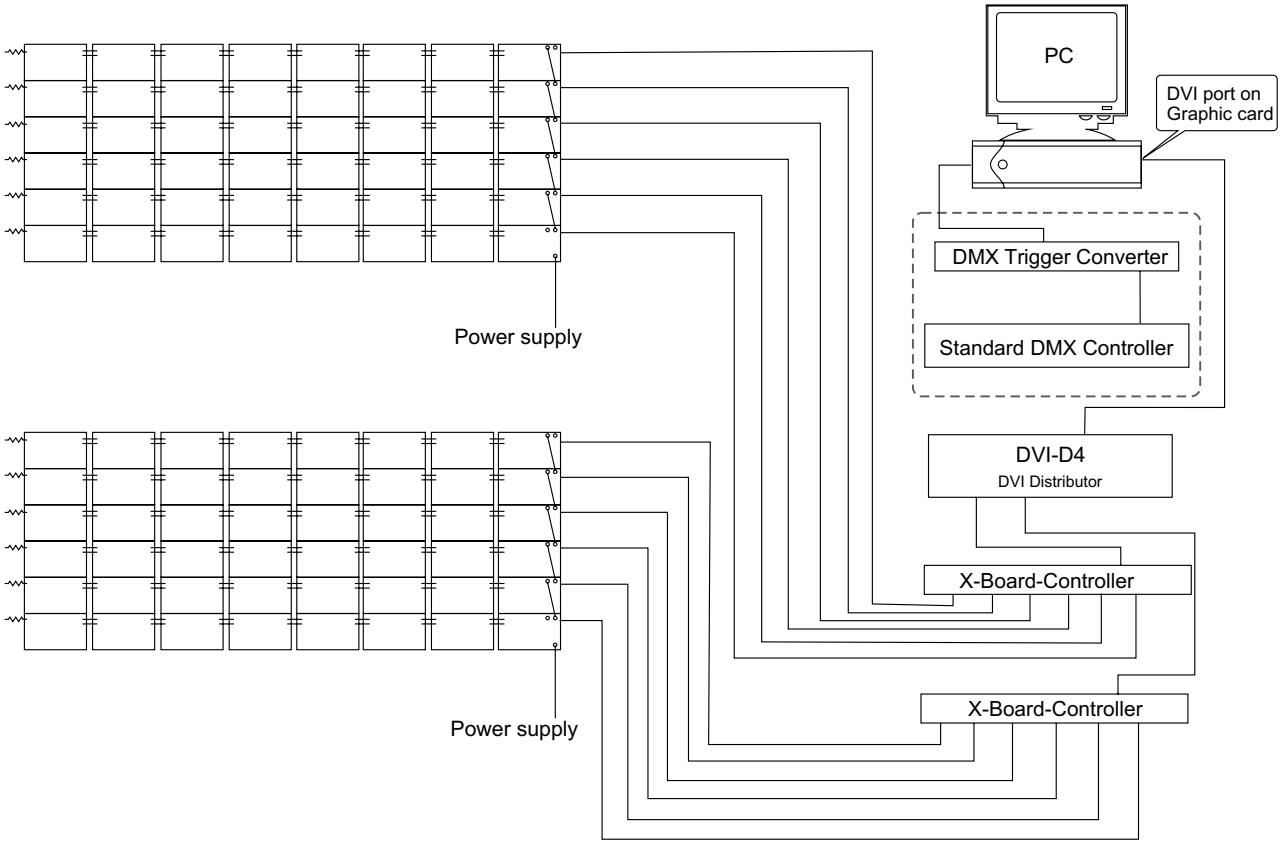
X-Board 100/200 with a complete fittings, x48
14 AWG 3-core Power cable with two Neutrik Powercon male plugs, 1.8 meter, x5
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x6
X-Board-Controller(sold separately).

If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end .
DMX Cable with a male and female XLR connector on either end.
Terminator x6, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

Project 10: 96-element, namely setup 8x12, with pixels 256x192.

System Connection(see figure)



System requirements:

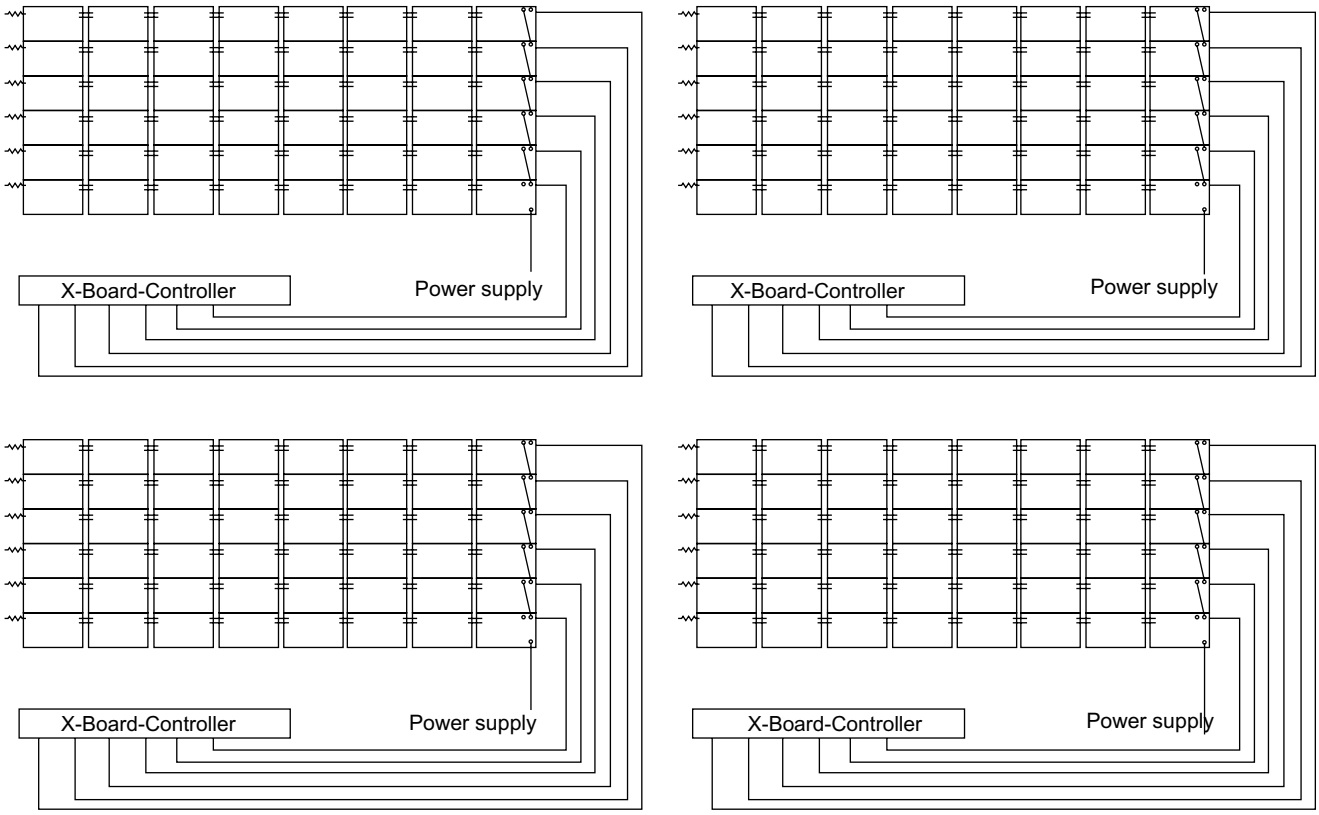
X-Board 100/200 with a complete fittings, x96
14 AWG 3-core Power cable with two Neutrik Powercon male plugs, 1.8 meter, x10
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x12
X-Board-Controller(sold separately) x2
DVI Distributor(sold separately).

If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end .
DMX Cable with a male and female XLR connector on either end.
Terminator x12, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

Project 11: 192-element, namely setup 16x12, with pixels 512x192.

System Connection Diagram(see figure)



System requirements:

X-Board 100/200 with a complete fittings, x192
14 AWG 3-core Power cable with two Neutrik Powercon male plugs, 1.8 meter, x20
Power cable with Schuko plug Neutrik Powercon male plug, 30 meters.
A computer with graphic card supporting DVI, X-Soft program installed.
DVI cable.
30-core double-twisted signal cable with two 36-way "D" sockets, x24
X-Board-Controller(sold separately) x4
DVI Distributor(sold separately).

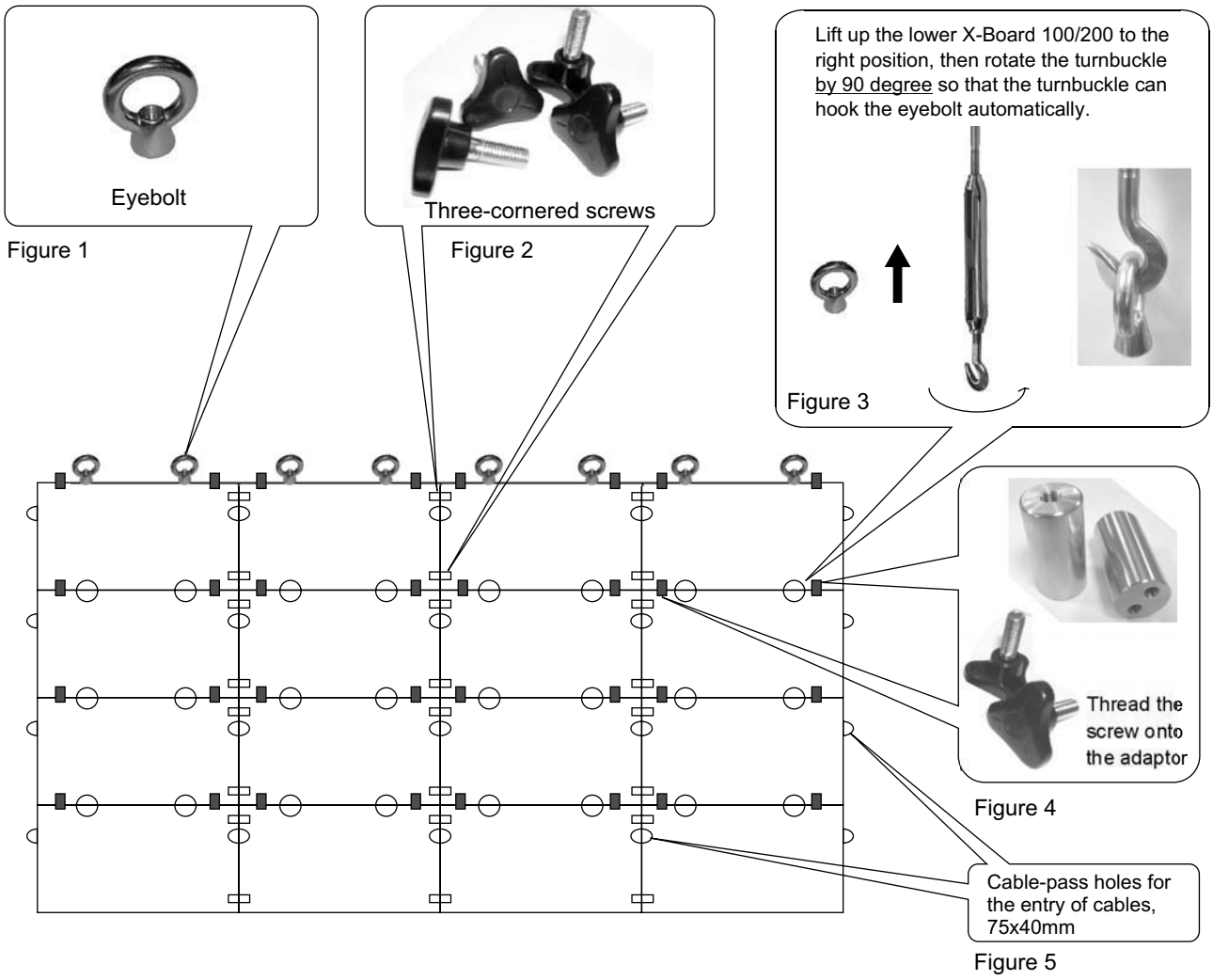
If you prefer to use DMX controller, you'll additionally need:

A standard DMX controller with at least 10 channels.
DTC-512 DMX Trigger Converter(sold separately).
LPT Cable with 25-way "D" connector on either end .
DMX Cable with a male and female XLR connector on either end.
Terminator x24, used on the last X-Board 100/200 of each line, to avoid erratic behavior.

How to set up a project system?

Thanks to the use of building block principle, it is very flexible and convenient for you to set up an X-Board 100/200 project system. Every X-Board 100/200 is a ready-made unit, what you are required is merely to make some simple connections and attachments. Here we will discuss the setup procedures.
Let's take project 5 -16-element,namely setup 4x4 as example.

A - First of all, build a truss system or other mounting platform.
B - Connect the X-Board 100/200 to the truss. Use the rigging device to fasten the turnbuckle via the eyebolt at the top (See figure 1). Pay attention to a safe and proper connection to prevent overload. Repeat the procedures until four X-Board 100/200 are mounted on the truss.
C - Secure the bakelite screws to join the four side-by-side X-Board 100/200s together. To join two X-Board 100/200s, you are required to secure two couples of three-cornered bakelite screws between two X-Board 100/200s (see figure 2).
D - Using the turnbuckle to hook the eyebolt of the X-Board 100/200 just below. Each X-Board 100/200 is provided two turnbuckles, accordingly, you'll have to fasten two pairs of turnbuckles to connect two X-Board 100/200s vertically(see figure 3). Additionally two connection adaptors are combined with every X-Board 100/200 to reinforce safety connection. Respectively thread two three-cornered bakelite screws on to two connection adaptors to connect two X-Board 100/200 vertically(see figure 4).
E - Every X-Board 100/200 has a cable-pass hole 75 by 40 mm on either side, which will be used for entry of the wiring of power and signal cables(see figure 5).
F - Comply with all applicable regulations to establish a proper PC or DMX control system.


Eyebolt
Figure 1
Three-cornered screws
Figure 2
Lift up the lower X-Board 100/200 to the right position, then rotate the turnbuckle by 90 degree so that the turnbuckle can hook the eyebolt automatically.
Figure 3
Thread the screw onto the adaptor
Figure 4
Cable-pass holes for the entry of cables, 75x40mm
Figure 5

X-Board 100/200 Troubleshooting

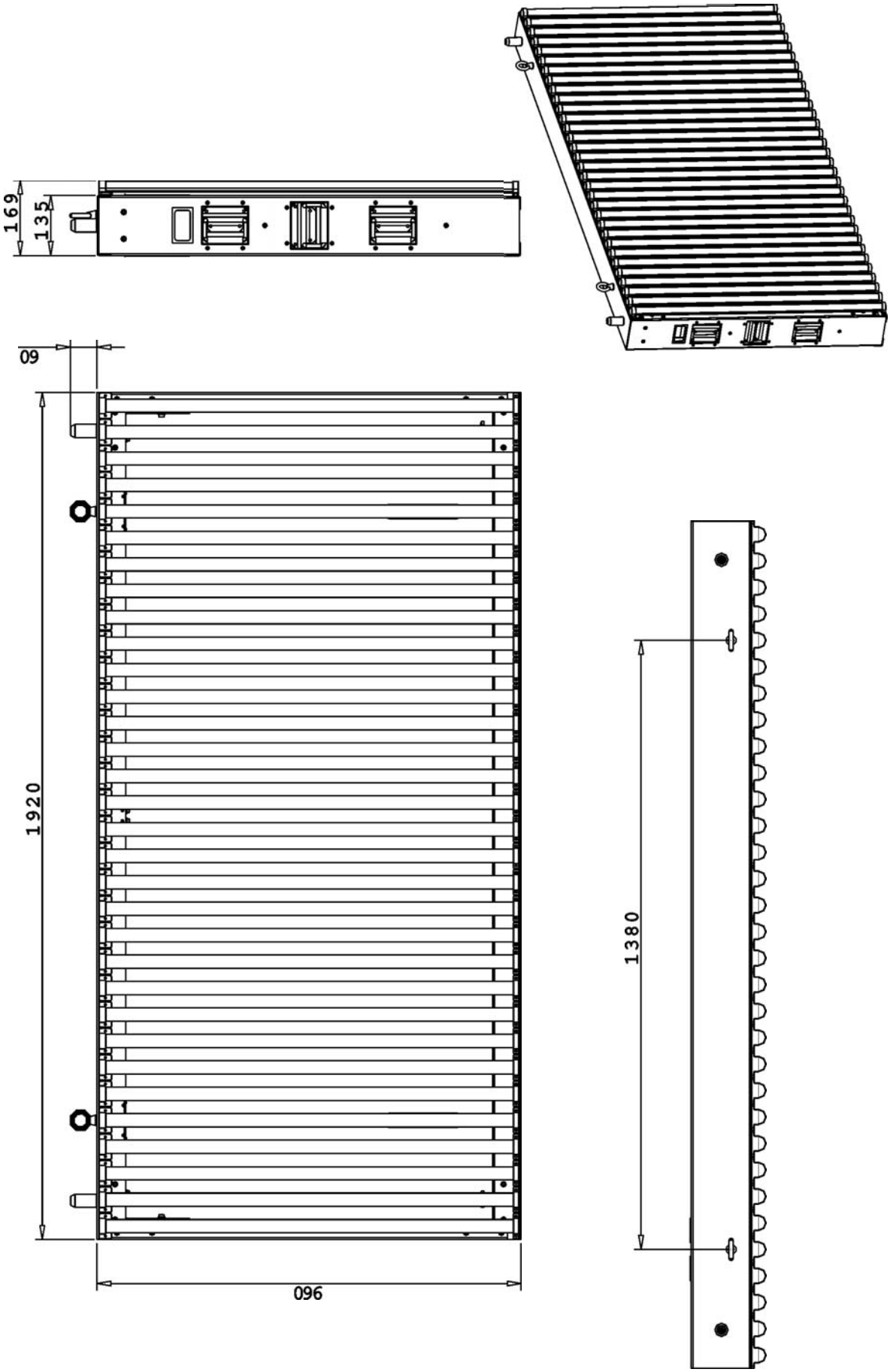
If your X-Board 100/200 fails to function as expected, check the list of common problems in the following text before consulting your dealer. Refer to the Solution column for information on solving the problems listed here.

Problem	Phenomenon	Possible Cause	Solution
All LEDs do not light up		①There is no power input. ②There is no signal input. ③The signal input and output was connected reversely.	① Check the power supply. ② Check the signal cable is damaged or not. ③ Connect the signal cable as the right picture shows.
One or some LEDs do not light up		①LED is damaged. ②Each tube which the non-lit LED in may not be connected well.	① Change with new LEDs. ② Reconnect the tube to the end-connector correctly.
Some LEDs in the same tube do not light up		①The end of this tube was not connected well.	①Reconnect the tube to the end-connector correctly.
Some lighted LEDs seem discolored		① Something wrong happened to the LED, or LED was distorted .	①Straighten up the LED, or change with a new one.
A row of LEDs do not light up		① The flat connecting cable between PCB(X-borad-DVR) and PCB (X-borad-so) was not connected well. ② The connected PCB may be damaged.	① Reconnect the flat cable correctly, or change with a new good flate cable. ② Check the PCB, or change with a new PCB.
The total X-borad displays abnormally		① The (X-board-R) terminator was not plugged or was not connected well.	① Plug the terminator to the end-socket correctly.
Please see the pictures in the Phenomenon column for reference.			

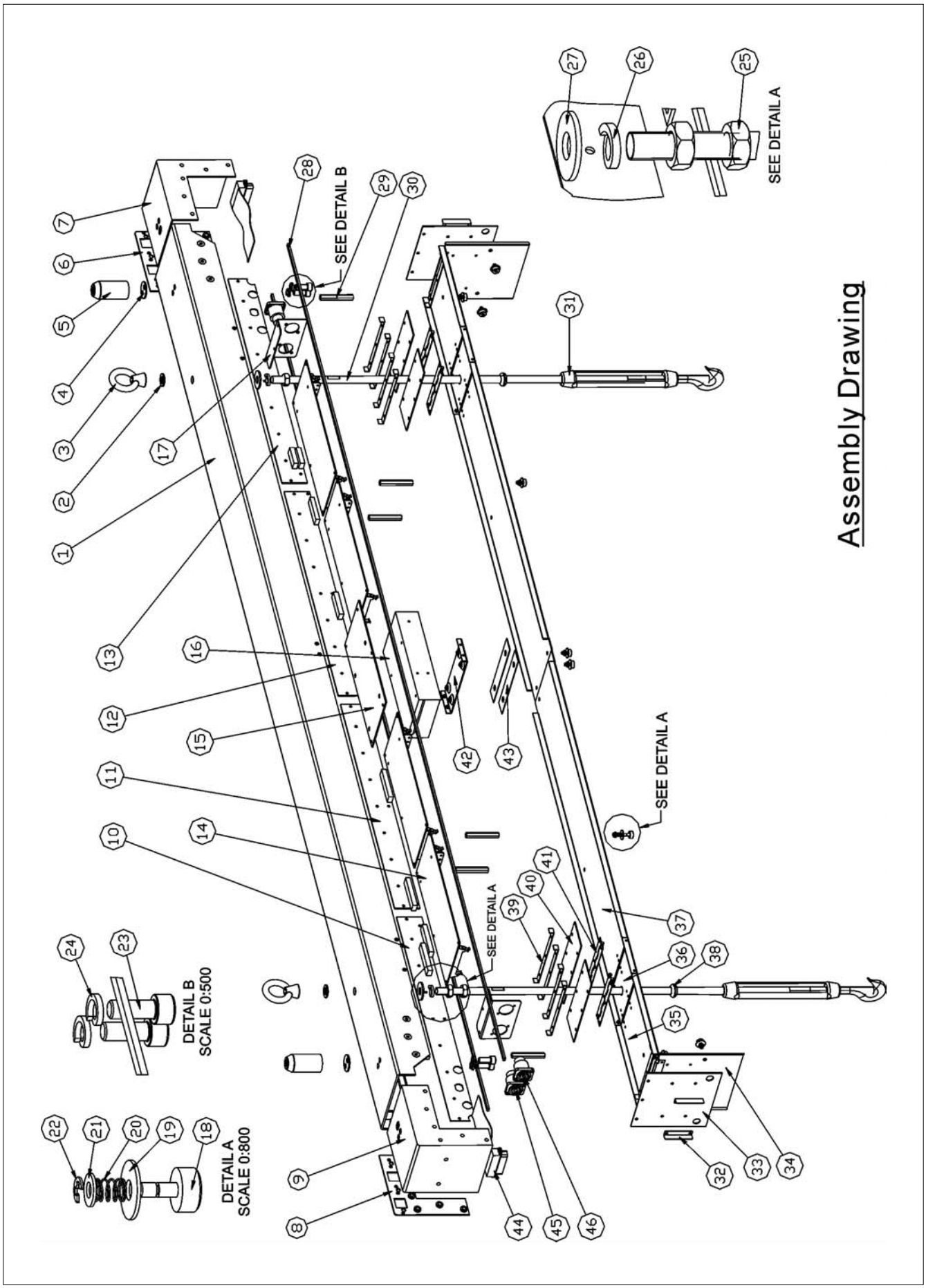
Power input
Connect the signal cable to the Input connector here and lock the plug.
Power cable
Signal cable
Pass the signal cable through this hole(in the front-right side of the X-board).

Service Manual

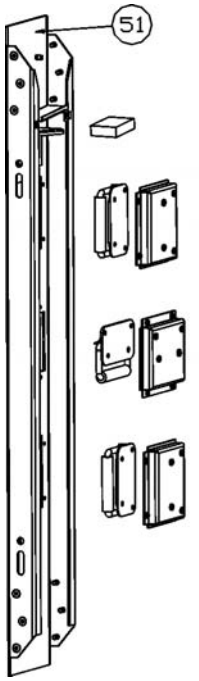
Product Layout



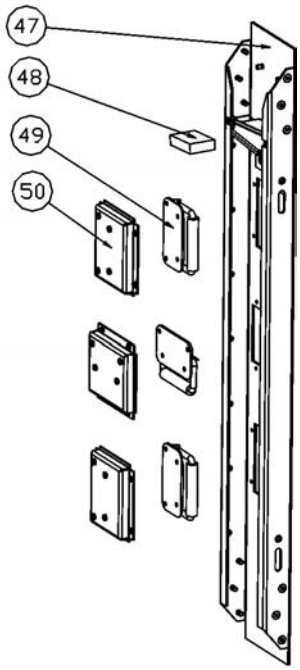
Exploded View 1



Exploded View 2



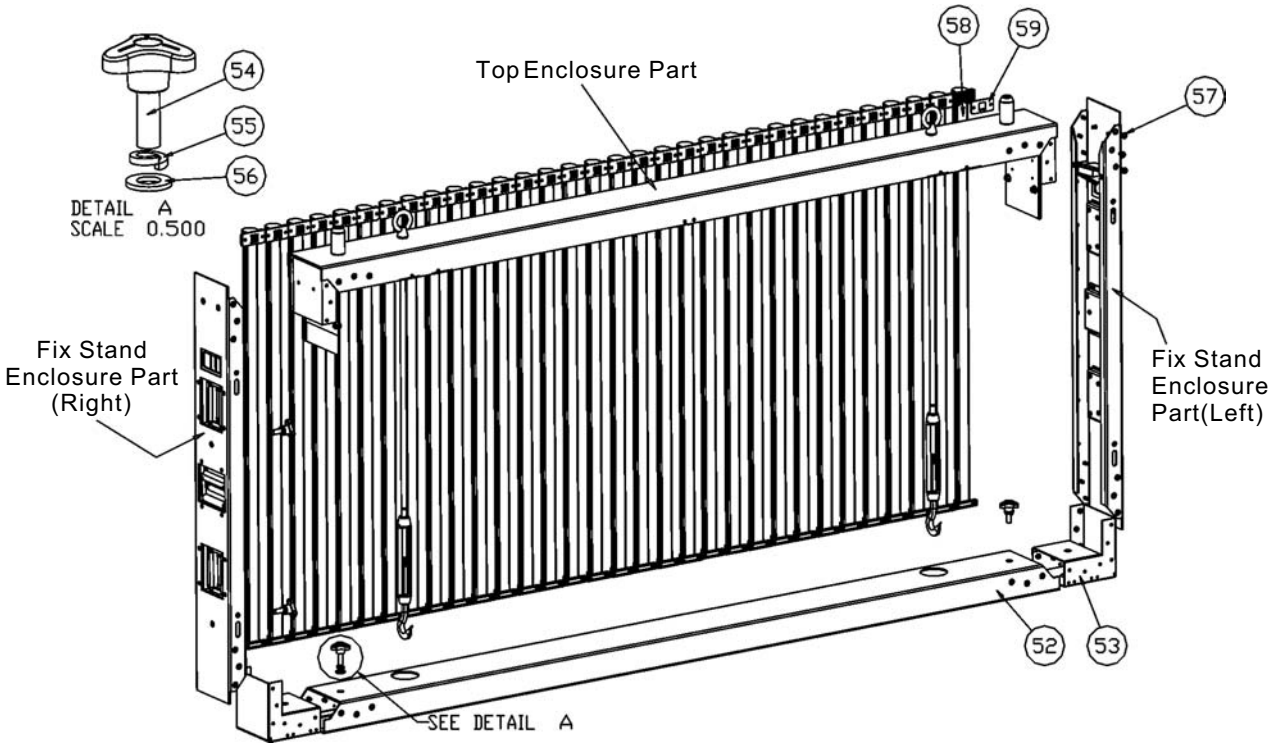
Fix Stand Enclosure Part(Right)



Fix Stand Enclosure Part(Left)

Exploded View 3

Top Enclosure Part



Assembly Parts List

01.	23-001-2260	Top crossbeam enclosure (aluminum)
02.	25-020-0221	Water-resistant washer (for the hanging ring)
03.	25-022-0605	Stainless steel hanging ring
04.	25-020-0222	Water-resistant washer (for the connecting pole)
05.	25-022-0606	Stainless steel connecting pole
06.	23-001-2273	Aluminum connecting fix stand 2, SECC
07.	23-001-2274	Aluminum connecting fix stand 3, SECC
08.	23-001-2265	L-shaped aluminum connecting fix stand 1, SECC
09.	23-001-2275	Aluminum connecting fix stand 4, SECC
10.	27-001-0824	KIT X-BOARD-SO-D
11.	27-001-0847	KIT X-BOARD-SO-C
12.	27-001-0807	KIT X-BOARD-SO-B
13.	27-001-0823	KIT X-BOARD-SO-A
14.	27-001-0781	KIT X-BOARD-DRV
15.	23-001-2264	Aluminum plate for fixing power supply(1100)
16.	10-011-0003	Switching power supply (moisture-proof)
17.	23-001-2266	Fix stand for retaining power supply(SECC)
18.	22-001-0190	Chess-head crosshead H-shaped metric screw(silver, M4x10)
19.	25-020-0224	Rubber washer
20.	25-023-0010	Stainless steel support spring
21.	22-006-0056	Plain washer (stainless steel)
22.	22-010-0021	Clip E-ring, M3
23.	22-001-0253	Hexagon socket head, metric screw (M8x20, black)
24.	22-005-0012	Spring washer, M8.5
25.	22-007-0029	Hexagon nut, M12
26.	22-005-0016	Spring washer, M12
27.	22-006-0053	Plain washer, M12
28.	25-020-0250	Rubber strip, fireproof
29.	25-005-0077	Hexagon copper spacer
30.	25-022-0569	Stainless steel connecting pole
31.	25-022-0604	Stainless steel turnbuckle screw
32.	23-001-2794	Aluminum retaining plate B,SECC
33.	25-020-0253	EPDM rubber sheet B (black)
34.	23-001-2270	Aluminum cover 4
35.	23-001-2269	Aluminum cover 3
36.	23-001-2271	Aluminum cover 2
37.	23-001-2267	Aluminum cover 1
38.	25-017-0171	Rubber ring
39.	23-001-2793	Aluminum retaining plate A,SECC
40.	25-020-0252	EPDM rubber sheet A (black)

Assembly Parts List

41.	25-022-0574	Stainless steel hinge
42.	23-001-8925	Aluminum bracket for fixing the cover, SECC
43.	25-020-0251	Waterproof pad (for the cover)
44.	16-004-0412	Terminal connector(female)
45.	15-004-0048	Power socket, NAC3MPB 250V 20A NEUTRIK (white)
46.	15-004-0027	Power socket, NAC3MPA 20A/250V NEUTRIK (blue)
47.	23-001-2261	Aluminum fix stand(black, left-side)
48.	25-016-0019	Dustproof sponge (black)
49.	25-022-0575	Carrying handle
50.	23-001-2272	Fix stand of carrying handle
51.	23-001-2262	Aluminum fix stand(black, right-side)
52.	23-001-2263	Bottom crossbeam(aluminum)
53.	23-001-2268	Aluminum connecting fix stand 5, SECC
54.	22-004-0030	Three-cornered screw, bakelite, M10x25
55.	22-005-0026	Spring washer, M10 , stainless steel
56.	22-006-0052	Plain washer, M10 stainless steel
57.	22-001-0248	Hexagon socket metric screw, M6x12 , stainless steel
58.	28-002-0507	Lighting tube assembly
59.	25-020-0209	Waterproof rubber washer (black)

X-Soft software

X-Soft might remind you of Windows Media Player, and that's one reason it's so easy to begin working in X-Soft. But it's not a media player - it's a desktop demonstration program.

About the X-Soft program

The X-Soft is the playback program dedicated to the demonstration of the X-Board 100/200. The X-Soft program supports a variety of media types, namely:

- Video file, with extensions .avi and .wmv
- MPEG file, with extensions . mpg, .mpeg, .m1v, .mp2, .mp3, .mpa and .mpe
- Gif file(extension .gif)
- Animation file(extension .swf)
- Bitmap file(extension .bmp) and JPEG image format(extension .jpg, .jpeg)
- Rich Text Format(extension .txt).

Computer Requirements

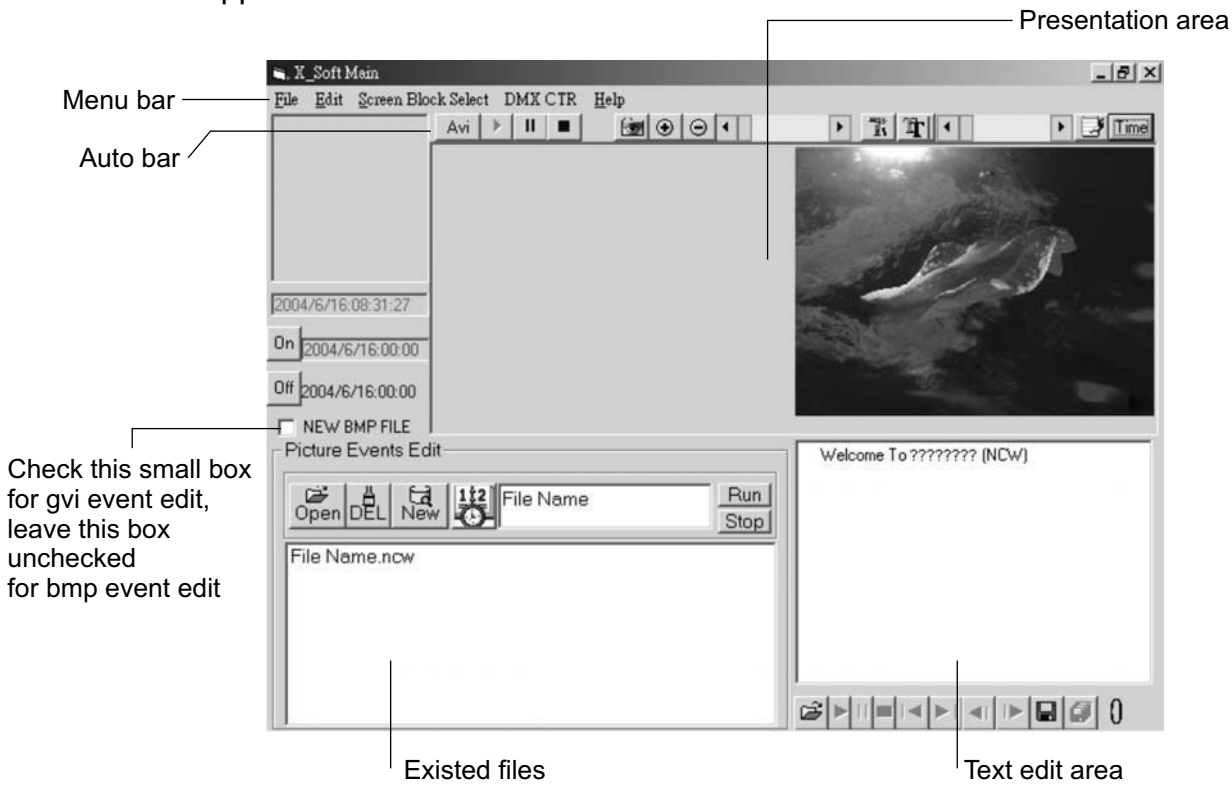
- Windows 2000 or Windows XP
- A graphic card supporting DVI (Digital Video Interface)
- At least 128 MB RAM is recommended.
- At least 60 MB free disk space.
- A Windows-compatiable mouse or other pointing device.
- X-Soft program CD

Installing X-Soft program

1. Insert the X-Soft program CD into your CD-ROM drive.
2. Double-click the CD-ROM drive.
3. Double-click Setup.exe.
4. Follow te instructions in the Setup dialog box. A prompt message will appear when installation is complete. If you want to end the setup process before it is complete, you can choose Exit or Cancel in a dialog box.

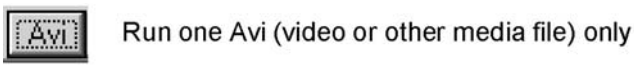
Starting X-Soft

In Windows, click the Start button and go to the "Programs" then "X-Soft". Move the pointer to the X-Soft icon, an hourglass symbol appears on the screen. After a few seconds, the X-Soft screen appears.



Using the AutoBar

The AutoBar is a fast and easy way to choose many of the most useful commands. To choose a command, simply click the button you want.



Run one Avi (video or other media file) only

Run one Gvi(a group of Avi files) only

Start

Pause

Stop

Display or hide the still picture (bmp or jpeg file)

Zoom in on the still picture

Zoom out on the still picture

Increase or decrease the changing speed of the still picture, or you can move the slider to the desired position for desired speed.

Speed up

Slow down

Display or hide the news message or current time in text mode

Set text font

Readout of the latest news message

Readout of the current time

Increase or decrease the moving speed of the text messages, or you can move the slider to the desired position for desired speed.

Speed up

Slow down

Using the Toolbox

Open the currently selected file, a new screen will appear, indicating you to edit the bmp event (scenes of still picture) or gvi event(scenes of video picture). See figure A-1.

Delete the currently selected file, a dialog box will appear, you can choose "YES" to confirm or "NO" to give up.

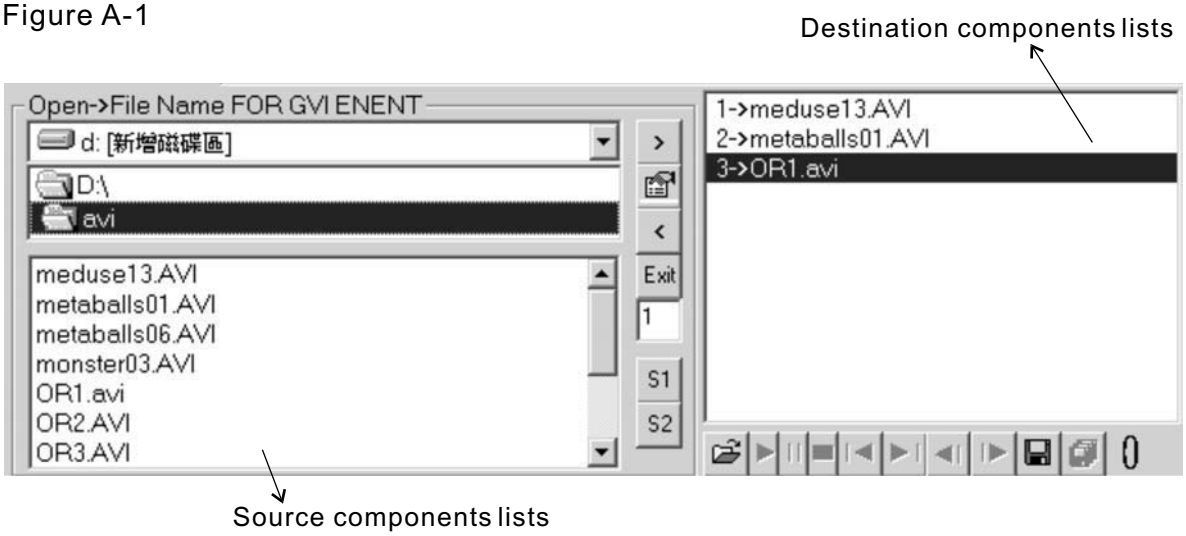
Open a new file after the entry of a new file name in the checkbox, a new screen will appear, indicating you to edit the bmp event (scenes of still picture) or gvi event(scenes of video picture). See figure A-1.

Establish a schedule for a gvi event(video file), a new screen will appear, please see figure A-2.

Enter a new file name before you can edit this file

Run or stop the current event

Figure A-1



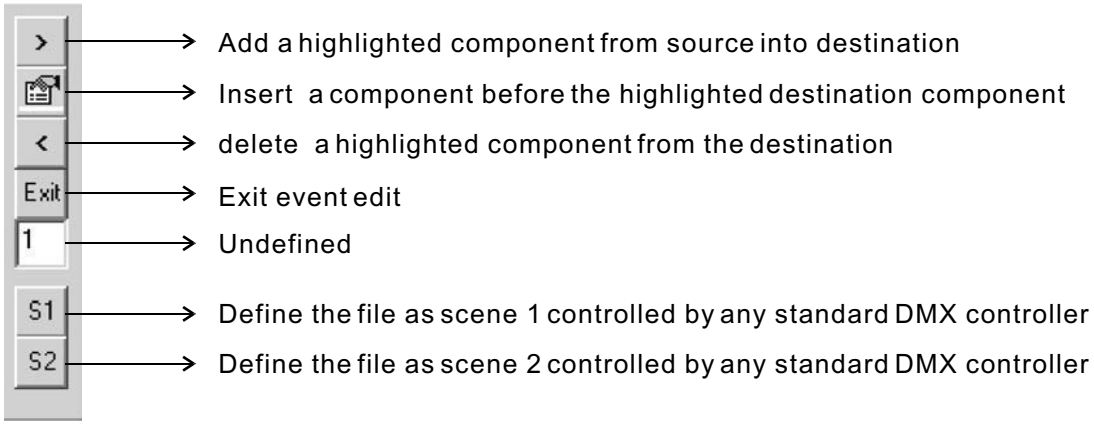
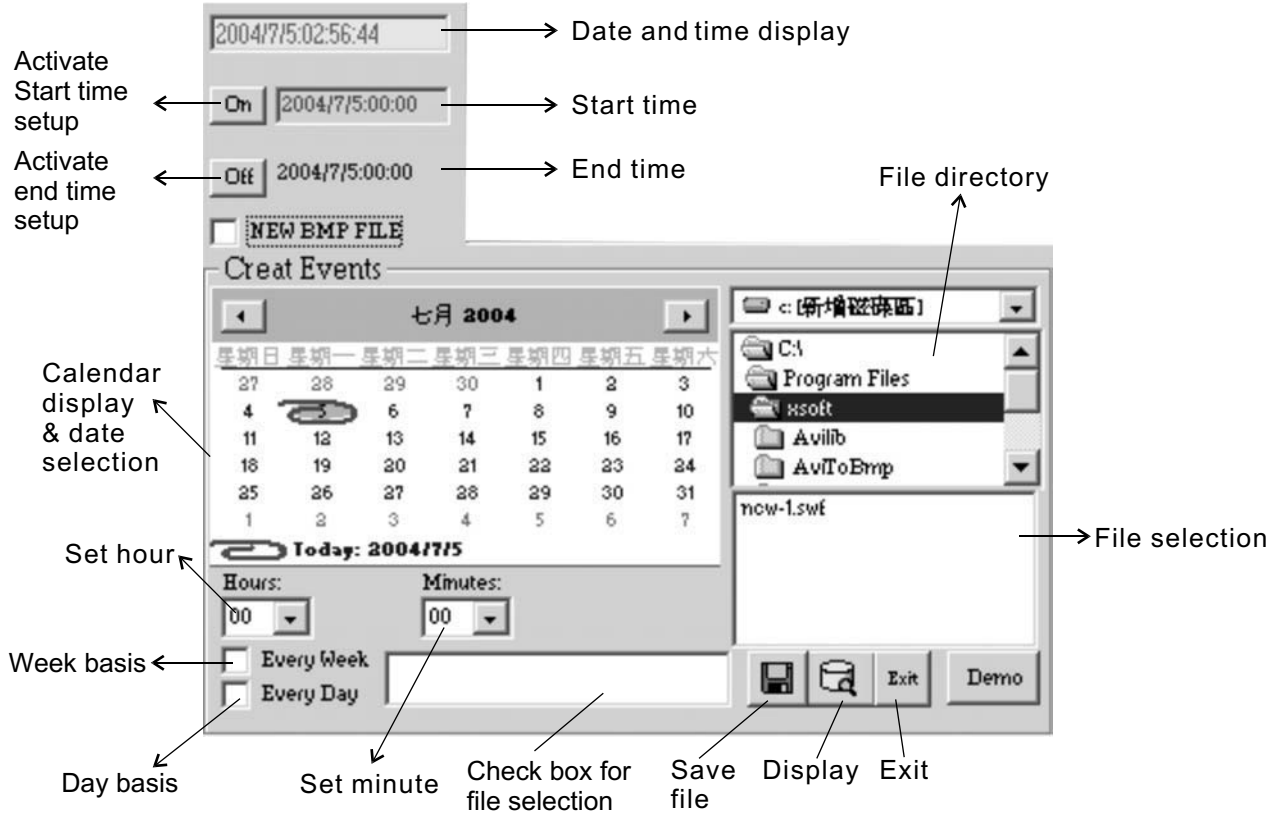

Add a highlighted component from source into destination
Insert a component before the highlighted destination component
delete a highlighted component from the destination
Exit
Exit event edit
1
Undefined
S1
Define the file as scene 1 controlled by any standard DMX controller
S2
Define the file as scene 2 controlled by any standard DMX controller

Figure A-2



Input Video File

Click "File" on the top menu bar and select "Input Video File", a dialog box will appear on the screen. Select the required file and click on "open", the X-Soft will immediately invoke the Video or MPEG file.

Input Flash File

Click "File" on the top menu bar and select "Input Flash File", a dialog box will appear on the screen. Select the required file and click on "open", the X-Soft will immediately invoke the Flash file with extension .swf.

Load Picture

Click "File" on the top menu bar and select "Load Picture", a dialog box will appear on the screen. Select the required file and click on "open", the picture file will be immediately called by the X-Soft. This function allows you to insert a picture while playing the video or animation file.

Load Text File

Click "File" on the top menu bar and select "Load Text File", a dialog box will appear on the screen, allowing you to select the required file. Click "Open", the text content will immediately appear in the text edit area. This function allows you to add any text content into your presentation. Use any words editing program and save the file in Plain Text Format(txt).

Create Video Event

Click "File" on the top menu bar and select "Create Video Event", a new screen will appear, allowing you to establish a schedule for the video event(gvi).
Please see figure A-2 for details.

Exit X-Soft

Click "File" on the top menu bar and select "Exit", the X-Soft program will be immediately closed. You can also use shortcut keys Ctrl+E to close the X-Soft, or click the Close button at the top-right corner of the screen to close the X-Soft.

Screen Block Setup

Click "Screen Block Select" on the top menu bar and go to "Column Number ", select and click a column number for the X-Board 100/200 system within 1-16. Likewise, click "Screen Block Select" and go to "Row Number", select and click a row number within 1-12. After the two steps, click "Screen Block Select" then go to and click "SetScreen Size". As a result, an area with a maximum of pixel(image size) 512x192 will be defined as playing area according to the setup of column and row.

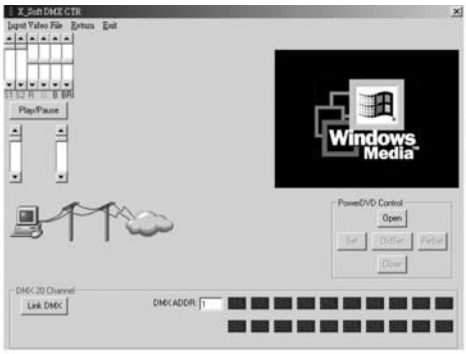
Change Position

Click "Screen Block Select" on the top menu bar and go to "Change Position ". There are four options: Screen Up, Screen Down, Screen Left and Screen Right.

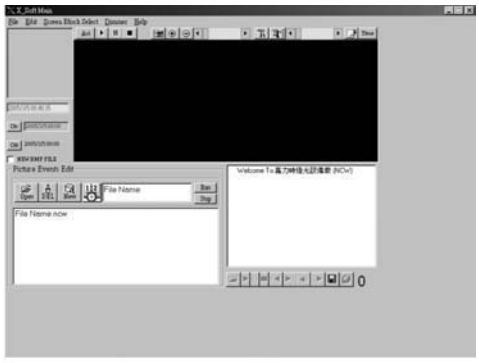
DMX Control

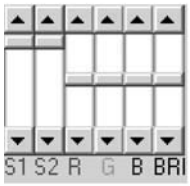
Click "Dimmer" on the top menu bar and go to "DMX CTR ". A new screen will appear within a few seconds.
In the new screen, click "Input Video File" on the top menu, a dialog box will appear, allowing you to select desired video file. Clicking "Return" on the top menu will return to the main screen(right figure).

DMX control screen

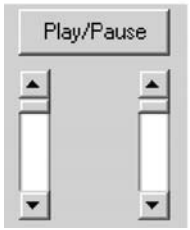


Main screen





S1 slider: move the slider to select a picture of the1st scene
S2 slider: move the slider to select a picture of the 2nd scene
Red slider: adjusts the amount of red in the picture
Green slider: adjusts the amount of green in the picture
Blue slider: adjusts the amount of blue in the picture
Brightness slider: adjusts the overall brightness of the picture



Play/ Pause button: play or pause video
Left slider: move the slider to select a video file of the 1st scene
Right slider: move the slider to select a video file of the 2nd scene

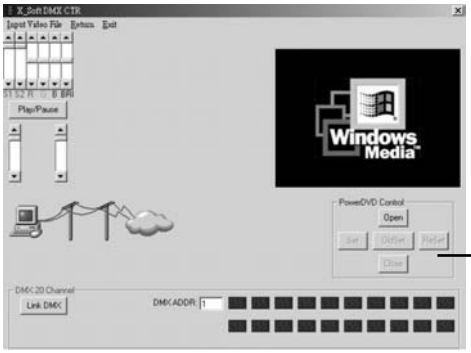
Once you have established connections with a standard DMX controller, please click on "Link DMX" button to activate DMX control. Please remember to assign a proper DMX address before you can operate your DMX controller. At present, at least 10 DMX channels are required to control this X-Board 100/200 system.

DMX Channel Selection

Channel #	DMX Value	Function
1	0-255	70 pictures of Scene 1
2	0-255	70 pictures of Scene 2
3	0-255	Adjust the amount of red in the picture
4	0-255	Adjust the amount of green in the picture
5	0-255	Adjust the amount of blue in the picture
6	0-255	Adjust the overall brightness of picture
7	0-85	Picture output
	86-170	Video file output
	171-255	Not defined
8	0-255	70 video files of Scene 1
9	0-255	70 video files of Scene 2
10	0-127	Pause video file
	128-255	Play video file
11	———	Undecided
12	———	Undecided
13	———	Undecided
14	———	Undecided
15	———	Undecided
16	———	Undecided
17	———	Undecided
18	———	Undecided
19	———	Undecided
20	———	Undecided

Power DVD Control

This X-Soft also allows you to call Power DVD program to play DVD-video. Before you can play DVD-video, make sure Power DVD program is available in your PC. Click on "open" button to run Power DVD program.



Power DVD control buttons

About DMX Trigger Converter(DTC-512)

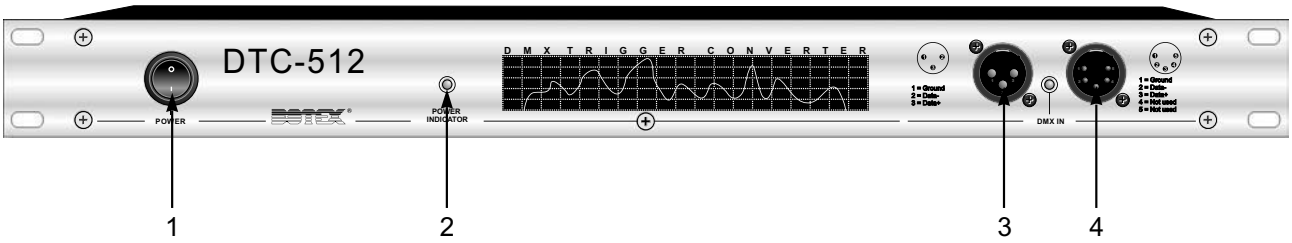
The DTC-512 is a one-channel DMX Trigger Converter. This is a dedicated device to be connected to realize DMX control. When connecting PC for a system configuration, Basic Input Output System (BIOS) must be set up in Extended Parallel Port(EPP) mode in your PC before operation.

Technical Specifications

Power Input DC9V 500mm
Fuse F0.5A 250V, 5x20mm
DMX Input.....3-pin/5-pin male DMX connector
LPT IN.....LPT edge connector (25-pin)
Dimensions 472x80x45mm
Weight .....1.1 Kg
Accessory.....25-pin LPT cable (L=1.5m)

Product Layout and Functions

Front Panel Overview



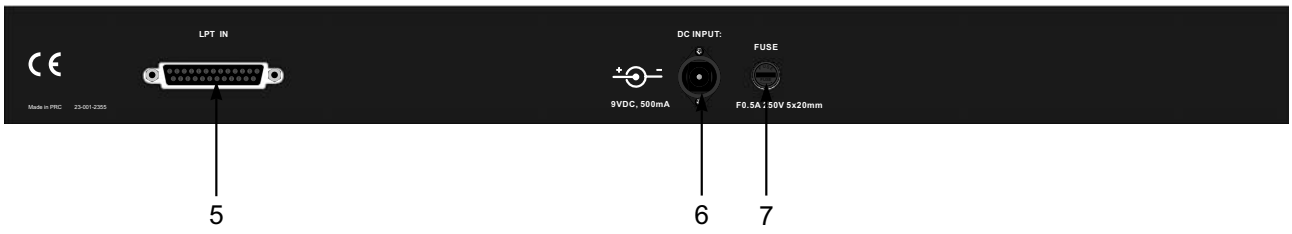
1. Power switch: used to turn on or turn off the main power.

2. Power Indicator: When this unit is powered on, the power indicator will be lit.

3. DMX Input (3-pin): to input DMX signal via this DMX connector.

4. DMX Input (5-pin): to input DMX signal via this DMX connector.

Rear Panel Overview



5. LPT IN: this edge connector is used to connect with an LPT cable.

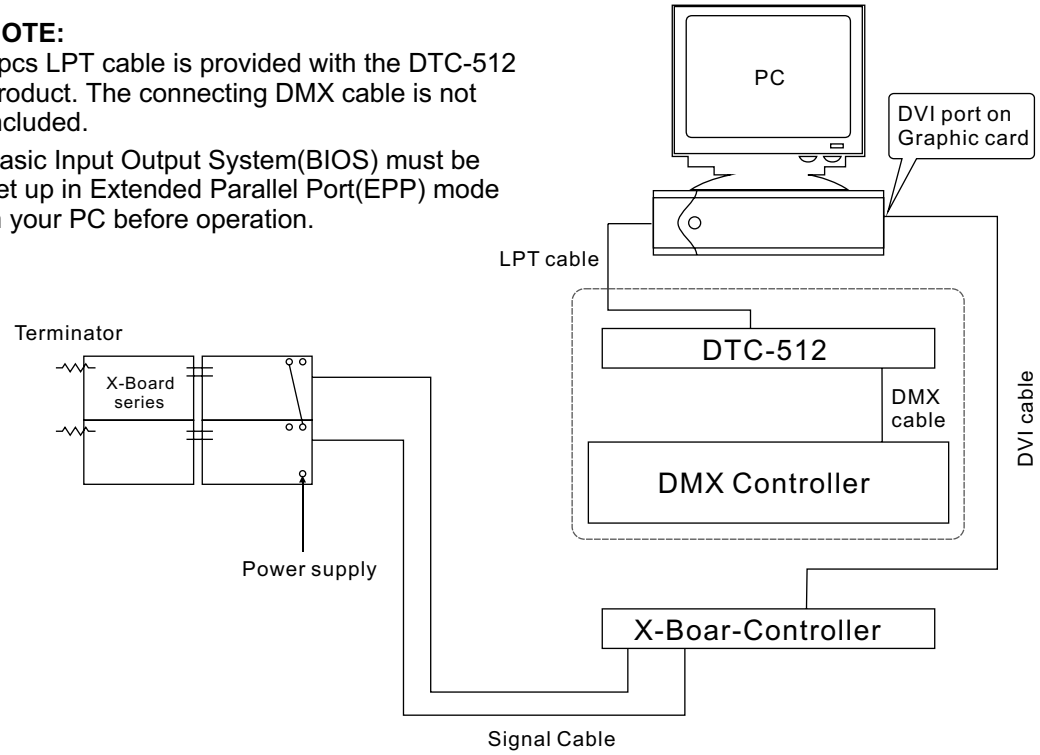
6. DC Input: to input the power supply (DC9V 500mA).

7. Fuse holder: with a fuse inside (F0.5A 250V, 5x20mm).

System Connection Diagram(for your reference):

NOTE:
1pcs LPT cable is provided with the DTC-512 product. The connecting DMX cable is not included.

Basic Input Output System(BIOS) must be set up in Extended Parallel Port(EPP) mode in your PC before operation.



About X-BOARD-Controller

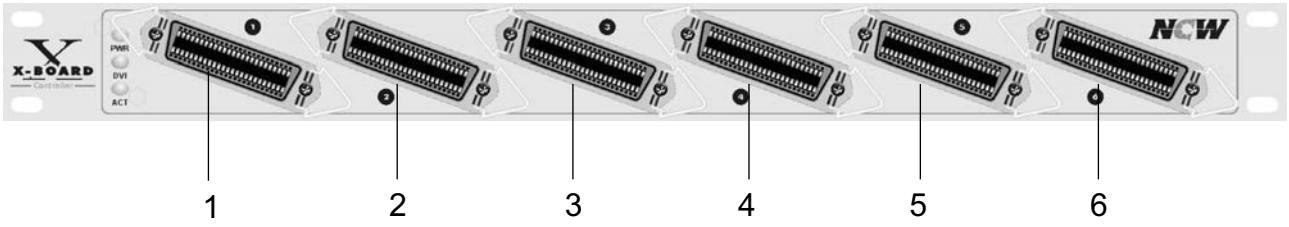
This product is a dedicated device for X-Board 100/200s. When communicating with a computer integrated with DVI graphic card, this X-Board-C will transmit up to 6 group of signals, allowing the operator to demo the monitor display on the X-Board100/200s.

Technical Specifications

Power Input .....AC 100-240V~50/60Hz
Fuse.....T3.15A, 250V 5x20mm
Data Transmitting ..... 36-pin data connector x6
DVI Input ..... DVI-I Digital/Analog connector
VGA Output ..... 15-pin VGA connector
Accessory(included) ..... 2 meters M/M DVI-D digital single link cable
Dimensions 482x133x44mm
Weight 1.45Kg

Product Layout and Functions

Front Panel Overview



Rear Panel Overview

1. The 1st data connector
2. The 2nd data connector
3. The 3rd data connector
4. The 4th data connector
5. The 5th data connector
6. The 6th data connector
7. DVI Input: DVI-I Digital/Analog connector
8. VGA Output: 15-pin VGA connector(Optional)
9. Power Input: AC 100-240V~50/60Hz, T3.15A 250V 5x20mm